

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF US 301 (CRAIN HIGHWAY) AND HERITAGE GREEN PARKWAY IN CHARLES COUNTY. US 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. THIS WORK IS NECESSITATED BY GEOMETRIC IMPROVEMENTS AND WILL INVOLVE THE REPLACEMENT OF THE DETECTORS ON THE WEST LEG OF THE INTERSECTION.

CONTROLLER OPERATION

THE CONTROLLER OPERATION WILL REMAIN THE SAME.

EQUIPMENT LIST

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

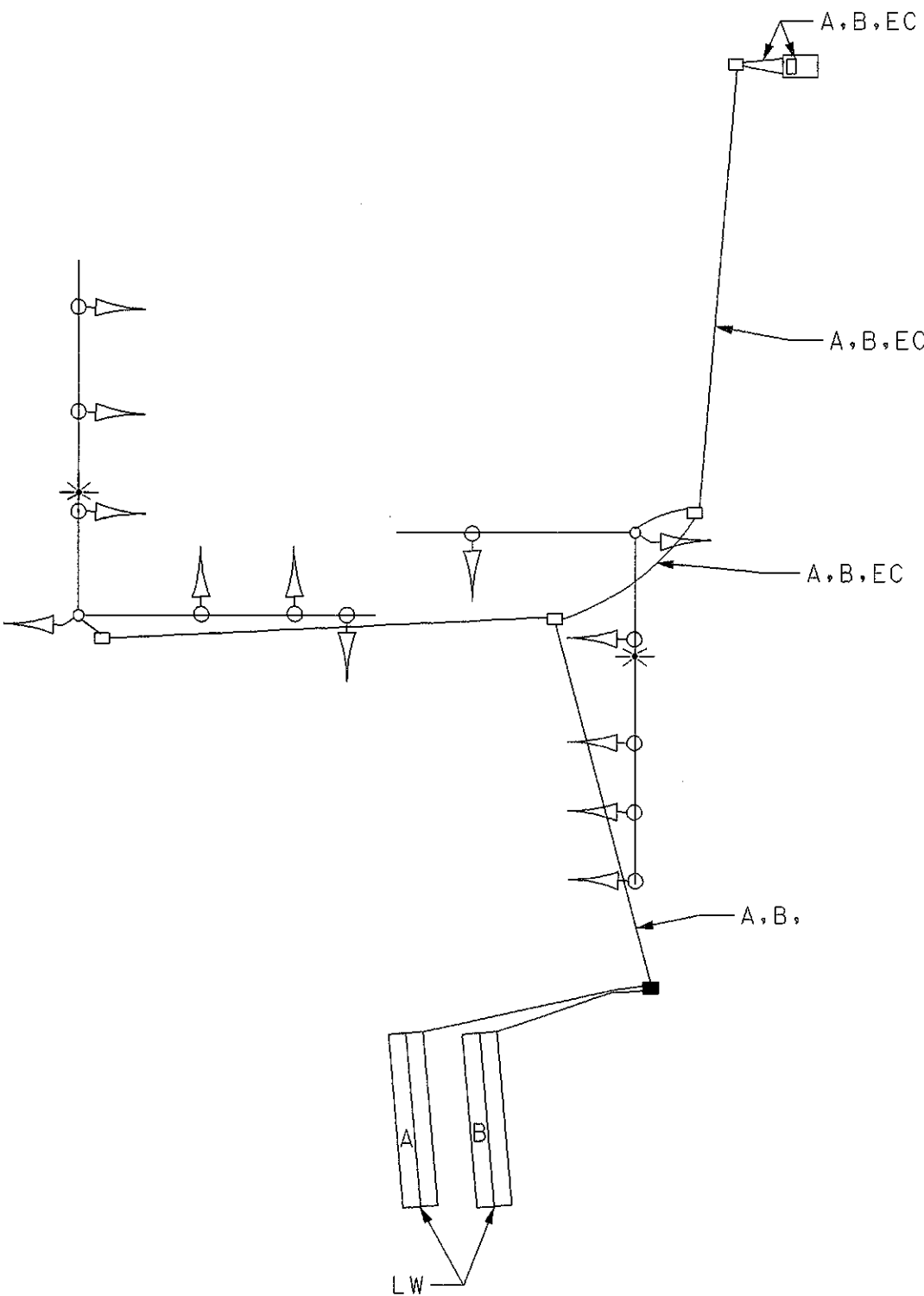
| ITEM NO. | QUANTITY | DESCRIPTION |
|----------|----------|--|
| 1001 | 1 EA | MAINTENANCE OF TRAFFIC |
| 5004 | 60 LF | FURNISH AND INSTALL 24 IN. HEAT APPLIED PERMANENT PREFORM THERMOPLASTIC PAVEMENT MARKING |
| 8021 | 270 LF | FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR) |
| 8023 | 20 LF | FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE |
| 8026 | 70 LF | FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT-BORED |
| 8033 | 1 EA | FURNISH AND INSTALL ELECTRICAL HANDHOLE |
| 8040 | 950 LF | FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.) |
| 8041 | 450 LF | FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED) |
| 8060 | 1 EA | REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT |

WIRING DIAGRAM




WIRING KEY

- A-B 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
- LW LOOP WIRE (NO. 14 A.W.G.)
- EC EXISTING CABLE



NOTE: UNLESS OTHERWISE NOTED, ALL EXISTING WIRING WILL REMAIN.

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| MARYLAND DOT - STATE HIGHWAY ADMINISTRATION | | | |
| Office of Traffic & Safety | | | |
| TRAFFIC ENGINEERING DESIGN DIVISION | | | |
| GENERAL INFORMATION SHEET | | | |
| US 301 AND HERITAGE GREEN PARKWAY | | | |
| DRAWN BY: T.M.Z | F.A.P. NO. | TS NO. | SHEET NO. 2 OF 2 |
| CHECKED BY: K.W.S | S.H.A. NO. | 3926A GI | |
| SCALE: NONE | COUNTY: CHARLES | T.I.M.S. NO. | |
| DATE: 6-20-00 | LOG MILE: | | |